PATENT COOPERATION TREATY

RECEIVED

From the INTERNATIONAL SEARCHING AUTHORITY

CHRISTOPHER A. VANDERLAAN LYON & LYON LLP 633 WEST FIFTH STREET SUITE 4700 LOS ANGELES, CA 90071 PCT

MAY - 7 2001 LYON & LYON INT'L. PROSECUTION

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

or file CcP. Mei

		Date of Mailing				
		(day/month/year) 01 MAY 2001				
Applicant'	s or agent's file reference	OI MMI 2001				
260/089-P	CT	FOR FURTHER ACTION See paragraphs 1 and 4 below				
	al application No.	International filing date				
PCT/US01/01738		(day/month/year)				
Applicant		18 January 2001 (18.01.2001)				
	E DESIGN SYSTEMS, INC.					
ı. 🛛	The applicant is hereby notified that the international search r Filing of amendments and statement under Article 19: The applicant is entitled, if he so wishes, to amend the claims					
	When? The time limit for filing such amendments is norm international search report; however, for more detailed.	ally 2 months from the date of transmittal of the ails, see the notes on the accompany sheet.				
	Where? Directly to the International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	7/1/01				
	For more detailed instructions, see the notes on the	ne accompanying sheet.				
ı. 🗌	The applicant is hereby notified that no international search re Article 17(2)(a) to that effect is transmitted herewith.	eport will be established and that the declaration under				
i. 🔲	With regard to the protest against payment of (an) additional	I fee(s) under Rule 40.2, the applicant is notified that:				
	the protest together with the decision thereon has been to applicant's request to forward the texts of both the prote	transmitted to the International Bureau together with the				
	no decision has been made yet on the protest; the applica					
Further	action(s): The applicant is reminded of the following:					
prio	after 18 months from the priority date, the international applic e #pplicant wishes to avoid or postpone publication, a notice o rity claim, must reach the International Bureau as provided in- pletion of the technical preparations for international publication	f withdrawal of the international application, or of the				
Within wish	19 months from the priority date, a demand for international person to postpone the entry into the national phase until 30 month	reliminary examination must be filed if the applicant is from the priority date (in some Offices even later).				
Deto	20 months from the priority date, the applicant must perform tre all designated Offices which have not been elected in the derity date or could not be elected because they are not bound by	mend or in a later election within 10				
lame and	mailing address of the ISA/US	Authorized of fiser a A.				
Co	mmissioner of Patents and Trademarks					
	x PCT	Matthew Smith at leng-				
	ashington, D.C. 20231 o. (703)305-3230	Am -				
	SA/220 (July 1998)	Telephone No. (703) 308-1782				

PATENT COOPERATION TREATY

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MAY - 7 2001

LYON & LYON NT'L. PROSECUTION

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 260/089-PCT International application No. PCT/US01/01738		T	FOR FURTHER ACTION International filing date (day/month/year) 18 January 2001 (18.01.2001)		cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable,					
					(Earliest) Priority Date (day/month/year) 18 January 2000 (18.01.2000)					
	olicant DENCE	DESIGN SYSTEMS, INC.								
au	Jung (ational search report has been o Article 18. A copy is being ational search report consists	transmitted to the international	earching Au Bureau.	nthority and is transmitted to the applicant					
			by a copy of each prior art docu	ment cited i	in this report.					
1.	a.	f the Report With regard to the language, t language in which it was filed,	he international search was carried unless otherwise indicated under t	out on the b	passis of the international application in the					
the international search was carried out on the basis of a translation of the international application furnishe Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the intersearch was carried out on the basis of the sequence listings:										
		contained in the international application in written form.								
	\mathbb{H}	filed together with the international application in computer readable form.								
	\vdash	furnished subsequently to this Authority in written form.								
	H	furnished subsequently to this Authority in computer readable form.								
		the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.								
	Ц	the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.								
2.	Ш	Certain claims were found unsearchable (See Box 1).								
3.		Unity of invention is lacking (See Box II).								
4.	With r	egard to the title,								
	A	the text is approved as submi								
	ш	the text has been established	by this Authority to read as follow	s:						
5.	With r	ith regard to the abstract,								
	Ш	the text is approved as submi	tted by the applicant.							
	\bowtie	the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of majing of this international search report, submit comments to this Authority.								
5.	The fig	ure of the drawings to be pub	ished with the abstract is Figure N	lo. 5						
	\boxtimes	as suggested by the applicant		-	None of the figures					
	\Box	because the applicant failed a								
		because this figure better cha	racterizes the invention.							



International application No.

PCT/US01/01738

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

NEW ABSTRACT

Techniques for increasing fiexibility in use of virtual component blocks (373) include a method for hardening a foundation block (500), a piu-macrambling methology for semi-bardened virtual component blocks, and parameterizable virtual component blocks. A method for hardening a foundation block (500) and utilizing it in a circuit design comprises the steps of defining component blocks, and the component blocks (575), hardening an interior region of the foundation block (including at least the critical timing components the system bus. The foundation block (573) has a "soft collar" for allowing interface parameters to be specified when the foundation block (573) may comprise an internal, hierarchical clock (573) is incorporated into a circuit design. In addition, the foundation block (573) parameters in internal, hierarchical clocking scheme for even clock distribution and optimum performance. For example, all internal clock delays may be padded, except led longest one, so that the clock signal arrives at all relevant reference points within the foundation block (573) at the same time.

Form PCT/ISA/210 (continuation of first sheet(2)) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

A. CLA	CONTROL MYON OF SYMPTON		101/0301/01/3	8							
A. CLASSIFICATION OF SUBJECT MATTER IPC(6) : GO6F 17/500											
US CL : 716/001, 008											
According to	According to International Patent Classification (IPC) or to both national classification and IPC										
B. FIELDS SEARCHED											
Minimum documentation searched (classification system followed by classification symbols)											
U.S. : 7	16/001, 008	by classification symbols	i)								
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched											
Documentati	on searched other than minimum documentation to the	e extent that such docume	ents are included	in the fields searched							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)											
Please See C	Please See Continuation Sheet										
C. DOCUMENTS CONSIDERED TO BE RELEVANT											
Category *	Citation of document, with indication, where	annropriate of the relevan	al parcages	D.L.	_						
Y	US 5,577,213 A (AVERY et al) 19 NOVEMBER	996 (19.11 1996) see ab	stract column	Relevant to claim No.	_						
	3, lines 39-61; column 4, lines 32-67; column 5, lin	nes 1-26; col 7, lines 41-6	7; col 8, lines	1 1-2							
	1-53.		. ,	1							
Y	US 5,761,078 A (FULLER et al) 02 JUNE 1998 (0	2.06.1998) column 4 lin	es 63.67:	1-2							
	column 5, lines 1-67.		25 05-07,	1-2	ı						
A	US 5,581,669 A (VOTH) 03 DECEMBER 1996 (0	2 12 1006) and a decimal									
A				1-2							
	US 5,737,234 A (SEIDEL et al) 07 APRIL 1998 (0			1-2	Į						
A, P	US 6,154,873 A (TAKAHASHI) 28 NOVEMBER	2000 (28.11.2000) entire	document.	1-2	١						
Α	US 5,838,583 A (VARADARAJAN et al) 17 NOV	EMBER 1998 (17.11.199)	B) entire	1-2	1						
	document.				١						
Α	SU et al, "A Timing-Driven Sof-Macro Placement :	und Resynthesi Method in	Interation with	1-2	1						
	Chip Floorplanning," IEEE, April 1999, entire doc	iment			١						
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	documents are listed in the continuation of Box C.	See patent fan			ł						
	ecial categories of cited documents:	"T" later document p	ublished after the inter	rnational filing date or priority	1						
"A" document	defining the general state of the art which is not considered to be	principle or theor	y underlying the inve	ation but cited to understand the	١						
	ar relevance			claimed invention cannot be	1						
"E" earlier app	lication or patent published on or after the international filing date			ed to involve an inventive step	1						
"L" document which may throw doubts on priority claim(s) or which is cited to		when the docume	nt is taken alone		1						
establish ti specified)	ne publication date of another citation or other special reason (as	"Y" document of part	icular relevance; the c	laimed invention cannot be	1						
		considered to my	olve an inventive step	when the document is documents, such combination	1						
"O" document	referring to an oral disclosure, use, exhibition or other means	being obvious to	a person skilled in the	art combination	١						
P document	published prior to the international filing date but later than the	"&" document membe	r of the same patent f	amily	ı						
priority da	te claimed			· ·							
Date of the ac	tual completion of the international search	Date of mailing of the in			1						
		~ 0	1 MAY 20	017	1						
	ling address of the ISA/US	Authorized of the	7117		1						
Come Box F	nissioner of Patents and Trademarks	1 61 D.	& Ten-	Jesel-	+						
Wash	ington, D.C. 20231	Matthew Smith	~	Jan	t						
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rm PCT/ISA	(210 (second cheet) (July 1009)				J						





INTERNATIONAL SEARCH REPORT

International application No.
PCT/US01/01738

Continuation of B. FIELDS SEARCHED Item3: WEST, IEEE

Continuation of the Assacration of the Component same hardens; hard adj3 macro; hard macro; hardens same (block or macro); hardens same foundation same (block or macro); (passthrough or pass?through or feedthrough) same system bus

Form PCT/ISA/210 (extra sheet) (July 1998)